

**Combustion Mechanisms, Scaling and Modeling
Code 6186**

Postdoctoral Opportunities

Postdoctoral positions exist in several areas including:

- A multidirectional interdisciplinary research program
It is under way to produce chemical, physical and operational data that will advance the technology in the field
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Current Projects:

- Fire Scaling and Modeling
 - Elucidating chemical and physical mechanisms of fire suppressants
 - Chemically evaluating the potential hazards of the generation and transport of noxious gases absorbed on various fire produced aerosols
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Facilities (equipment available):

- Instrumented and computerized 0.3 m³, 5 m³, and 300 m³ pressure chambers
 - Computerized gas chromatographs and mass spectrometers
 - Fourier-transform infrared
 - Hot wired anemometry
 - Laser doppler velocimetry
 - Other analytical instrumentation
 - A full-scale 9,000 ton ship, the ex-USS SHADWELL (LSD 15)
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The postdoctoral program at the Naval Research Laboratory is restricted to U.S. citizens. Initial appointments are for one year and are routinely renewable for a second year.

The applicant is responsible for selecting a research project and writing a research proposal in collaboration with a prospective advisor. The fellowship is administered through the National Research Council. Deadlines for application material are January 15 for the February review and April 15 for the June review.

For more information please contact:

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